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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number		
			Filing Date		
			First Named Inventor	Manfred Albrecht	
			Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	HSJ920030214US1

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SM		US- 5,820,769	10-13-1998	Chou	
		US- 5,583,727	01-10-1996	Parkin	
		US- 6,331,364	12-18-2001	Baglin et al.	
		US- 6,383,597	05-07-2002	Fullerton et al.	
		US- 6,493,183	12-10-2002	Kasraj et al.	
		US- 20030021191A1	01-30-2003	Hsu et al.	
		US- 20030107833A1	01-12-2003	Reitner et al.	
		US- 5,436,448	07-25-1995	Hosaka et al.	
		US- 6,011,664	01-04-2000	Kryder et al.	
		US- 5,900,728	01-04-1999	Moser et al.	
SM		US- 5,900,729	01-04-1999	Moser et al.	
		US- 5,804,710	09-08-1998	Mamin et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
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Substitute for form 1449B/PTO		Complete if Known	
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		Filing Date	
		First Named Inventor	Manfred Albrecht
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	HSJ920030214US1
Sheet	2	of	2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
dem		R. L. White et al., "Patterned Media: A Viable Route to 50 Gbit/in ² and Up for Magnetic Recording?", IEEE Transactions on Magnetics, Vol. 33, No. 1, January 1997, 990-995	
dem		C. Chappert, et al., "Planar Patterned Magnetic Media Obtained by Ion Irradiation," Science, Vol. 280, June 19, 1998, pp. 1919-922	
dem		E. Eleftheriou et al., "Millipede-A MEMS-Based Scanning-Probe Data-Storage System", IEEE Transactions on Magnetics, Vol. 39, No. 2, March 2003, pp.938-945	
dem		M. Kleiber et al., "Magnetization switching of submicrometer Co dots induced by a magnetic force microscope tip", Phys Rev B, Vol. 58, No. 9, 1 September 1998, pp. 5563-5567	
dem		J. Lohau et al. "Writing and reading perpendicular magnetic recording media patterned by a focused ion beam", Appl Phys Lett, Vol. 78, No. 7, 12 February 2001, pp. 990-992	
dem		B. Cui et al. "Perpendicular quantized magnetic disks with 45 Gbits on a 4x4 cm ² area", J Appl Phys, Vol. 85, No. 8, 15 April 1999, pp. 5534-5536	
dem		Haginoya C. et al., "Thermomagnetic writing on 29 Gbit/in. ²) patterned magnetic media", APPL PHYS LETT 75 (20): 3159-3161 NOV 15 1999	
dem		Castano F. et al., "Magnetic force microscopy and x-ray scattering study of 70x550 nm ²) pseudo-spin-valve nanomagnets", J APPL PHYS 93 (10): 7927-7929 Part 3 MAY 15 2003	
dem		Todorovic M., "Writing and reading of single magnetic domain per bit perpendicular patterned media", APPL PHYS LETT 74 (17): 2516-2518 APR 26 1999	
dem		Ross C., "Patterned magnetic recording media", ANNU REV MATER RES 31: 203-235 2001	
dem		A. Dietzel et al., "Ion Projection Direct Structuring for Patterning of Magnetic Media", IEEE Transactions on Magnetics, Vol. 38, No. 5, September 2002, pp. 1952-195	

Examiner Signature		Date Considered	2/14/05
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